

SANDIA'S CONTRIBUTION to a new children's museum called EXPLORA is this giant kaleidoscope. Designed by Joe Laval (3163), the finished product put two of the EXPLORA principals, Carol White (left) and Sheila Seigel, into a reflective mood. Builders of the kaleidoscope are on Page Six.

 **LAB NEWS**

VOL. 37 NO. 20 SANDIA NATIONAL LABORATORIES OCTOBER 11, 1985

**TLC ≠ Tender Loving Care**

## New Wellness Program Announced



Through a new program called TLC (Total Life Concept), Sandians will have the opportunity to learn how to stay healthy, keep fit, and manage stress and pressures that affect all of us at one time or another.

"Basically, TLC provides a way for employees to find out about what they can do to feel good — physically and mentally — and what kind of a lifestyle makes them feel that way," says program manager Susan Harris (3330). "The program is designed to give them the skills, knowledge, and support they need to make them healthier, happier, and more effective both on and off the job. We hope that Sandians will participate in the TLC programs — all voluntary — to pick up basic skills that they can use to take charge of their futures."

How does TLC work? Employees, once they're enrolled in the one-year program, attend an orientation session during which they receive Health Risk Appraisal forms that let them identify their own health risks and choose appropriate health enhancement goals.

Next comes biometric testing to determine height, weight, blood pressure, and cholesterol measurements. After receiving feedback from the Health Risk Appraisals, participants decide which of the nine TLC health lifestyle classes would be best for them (they're allowed to choose three during the year) and plan their personal health improvement programs.

The health lifestyle classes, lasting from 2-12 weeks, usually meet for 45 minutes at noon once a week. They cover the following areas:

- fitness/exercise
- low back care
- weight control

- cholesterol reduction/nutrition
- self care and cancer awareness
- blood pressure control
- interpersonal communications
- smoking cessation
- stress management

"We ran a pilot TLC fitness/exercise program last summer," says Susan. "Volunteer participants were extremely enthusiastic. This bodes well, we think, for the entire TLC program. Sandia management is very supportive of the TLC philosophy [see accompanying article], and has a strong commitment to the physical and emotional well-being of all employees. Side benefits, of course, include helping to curb those higher and higher health care costs of which we are all aware, and cutting the toll taken by preventable diseases."

Besides Susan, other members of the medical organization — staff physician Judy Ewing, clinical psychologist Arlene  
*(Continued on Page Four)*

# Antojitos

Drowning in a Sea of Naiveté? Last week saw a flap over whether Edward Howard, former member of the state's Legislative Finance Committee staff and alleged Soviet spy, had ever been inside the Sandia fences. Turned out he hadn't. But even if he had, he would have been under continuous escort and would not have learned any secrets from Sandians. That's because, contrary to what the journalists in the outside world apparently assume, getting through a gate doesn't mean a visitor can casually stroll to a safe and thumb through whatever classified documents strike his/her fancy. And no uncleared visitor will learn anything classified from conversations or presentations either.

An even more naive view of Sandia and nuclear weapon protection is reflected in this excerpt from UNM's Daily Lobo (9/25/85):

Bill Bletsch, a UNM graduate student of mathematics and a member of ESR [Educators for Social Responsibility], said weapons testing at Sandia Laboratories almost resulted in a nuclear explosion. "There's a rumor going around UNM that Albuquerque was almost involved in a nuclear explosion," he said.

Although he could not provide proof of the incident, Pletsch said he heard from "a friend of a friend" that recently, "Someone at Sandia Labs was going to do some testing on an unarmed nuclear warhead.

"As it was, the warhead was not unarmed; it was armed," said Pletsch. He said another person "who was in the area on an unrelated errand" noticed the mistake.

Apparently there are educated people out there who believe that armed nuclear weapons are simply lying around in a bin, like jellybeans, and it's possible for someone to pick up a live one inadvertently! While we obviously don't want to describe the precise means of protecting weapons from unauthorized users, suffice it to say that weapons are under constant surveillance of one kind or another. And no complete nuclear weapon ever enters Sandia Labs.

But all the naiveté is not "out there." As the recent memo to all employees from Tom Cook (20) points out, the "need-to-know" principle still applies -- maybe today more than ever. And not only to our official duties with regard to visitors to Sandia. I believe that we can be every bit as naive as some of the folks I've criticized above, especially when it comes to the temptation to boost our egos by sharing with a friendly stranger at a restaurant or interested acquaintance at a party the excitement or challenge of the work we're doing at the Labs. Even if the person has a clearance (and doesn't work for the LFC or the Lobo), that doesn't justify sharing sensitive information with anyone anywhere who doesn't have a clearly defined need to know. ●BH

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First Law of Journalism: The closer you are to the facts of a situation, the more you're aware of the errors in the news coverage.

Second Law of Journalism: The further you are from the facts of a situation, the more you tend to believe the news coverage.

## Welcome

### Albuquerque

Bernard Argo (7811)  
Angie Black (3426)  
Roger Durand (3426)  
Patrick Hoffman (3745)  
Loretta Toledo (3426)  
Cheryl Boal (121)  
Charles Britt (7811)  
Andrea Cassidy (2629)  
Lorina Chavez (21)  
John Cilke (2616)  
Joseph Cordaro (2344)  
Todd Criel (1636)  
Gilbert Delaplain (7474)  
Bonnie Depoy (1248)  
David Keiss (3726)  
John Ledwith (3551)  
Kathryn Olson (2625)  
Charles Peden (1846)  
William Schrader (7261)

### California

William Sweatt (7556)  
Laura Sylwester (1811)

### Illinois

Roseann Poloncasz (3543)

### Kansas

Lawrence Carlson (1834)  
Larry Wright (5264)

### Massachusetts

Adra Acton (7472)

### Minnesota

Daniel Rader (1512)

### New Mexico

Donald Coates (121)  
Anthony Otero (3426)  
Gregory Ferguson (7543)  
Michael Whitby (2634)

### New York

Tony Kill (2345)  
David Potts (5261)  
Keith Snyder (2345)

### Ohio

Ruth Burger (5264)  
Anthony Mittas (2364)

### Pennsylvania

Thomas Alsbrooks (2853)

### Tennessee

Mariette Bryan (2523)

### Texas

Douglas Benton (1633)  
John Hancock (7263)  
John Porter (1273)

## LAB NEWS

Published Fortnightly on Fridays

### SANDIA NATIONAL LABORATORIES

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### Osborn Wins Lawrence Prize

DOE announced on Oct. 9 that Gordon Osborn (1132) is one of six winners of this year's E.O. Lawrence awards for outstanding contributions in the field of atomic energy. Gordon's award came for his pioneering work in developing the theory of strained-layer superlattices. A later issue will include more information.



SEPTEMBER retirees at Livermore (from left): Joe Vieira (8445), Gil Esquibel (8173), Nadine Sheppard (8023), and Ron Hoffman (8311).

## Runners & Dunkers Kickoff Campaign

With the sun shining brightly, the Oct. 1 LEAP Faire got off to a roaring start with 160 runners and walkers going the 1.5-mile course. Co-chairman John Martin (8161), decked out in a powder blue tux, lined up the race, and VP Dick Claassen (8000) fired the starter's pistol.


The top three runners in the men's category were Jim Reitz (8176) with a time of 7:42, Clement Chiang (8473) with an 8:01, and Bill Wilson (8230) with 8:08. Women's class winners were Joan Bersie (8200) with a time of 13:10, Darlene West (8161) with 13:41; and Jeanne Yu (8245) with 13:45. The traveling participation trophy was won by 8100 with 57 people taking part. Best-costumed runner was Linda Kuckenbaker (8233) in a colorful blue and red clown outfit.

As predicted, the dunk tank proved to be the most popular attraction at the LEAP Faire, held on the Combustion Research patio. Directors Arlyn Blackwell (8200), Dan Hartley (8300), and Rick Wayne (8400), plus 8100 stand-in Jim Wright, took their turns above the tank. All got soaked by Sandians whose marksmanship — for the Fair Share blank on their LEAP contribution card and for the dunk tank target — was good.

VP Dick Claassen, dressed in jeans, T-shirt, brown cowboy hat, and socks, took his first dunking from a frustrated Martha Campiotti (8243). She had missed the target with the three balls, but she ran up and struck the target by hand. And down went Dick to a dunking.



LEAP AGENCIES' tables abounded at the noontime faire on the Combustion Research Facility patio, and many Sandians learned about the human service groups they are supporting through LEAP.



# SANDIA LIVERMORE NEWS

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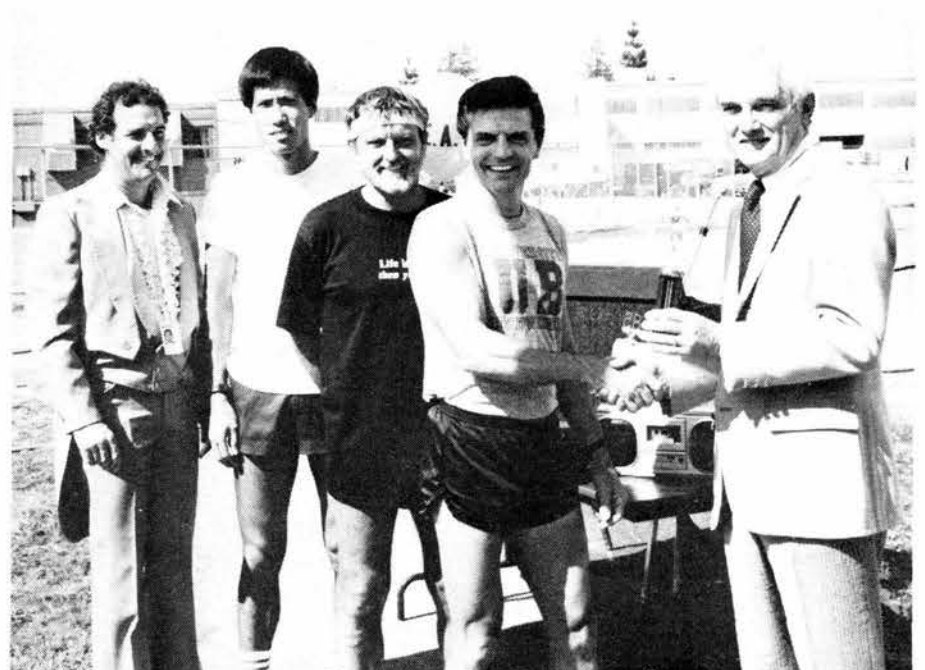
A WELL-SOAKED VP — Dick Claassen (8000) shook the water out of his hat after getting dunked by a Fair Share contributor.



AND THEY'RE OFF and running at the start of the 1.5-mile fun run/walk that kicked off the 1985 LEAP campaign Oct. 1.



WOMEN'S CLASS run winners were (from left in front): second place Darlene West (8161), first place Joan Bersie (8200), and third place Jeanne Yu (8245); Dick Claassen presented the trophies. In back is Linda Kuckenbaker (8233), who won best costumed racer for her clown outfit.



MEN'S CATEGORY RACE winners were presented trophies by Dick Claassen, right. From left, race chairman John Martin (8161), second place finisher Clement Chiang (8473), third place runner Bill Wilson (8230), and first place Jim Reitz (8176).



ONE OF THE PILOTS of the new TLC wellness program was Larry Ebinger (7121). He and 17 other Sandians enrolled in the twice-a-week aerobics program during the summer, and 13 finished — a 72 percent completion rate (the

national average is 50 percent). Similar statistics came out of the pilot walk/jog class. Another aerobics class and another walk/jog class began last week, and both were filled. So the results thus far suggest that Sandia's new wellness program will be a success. T-shirts with the logo on the left went to all those who completed either pilot TLC program.

### Continued from Page One

Price, and nurse Debi Cramond — are very much involved in TLC planning and implementation.

TLC at Sandia will be phased in over a five-year period. Each year, 20 percent of employees (picked at random) will be invited to participate in the program. Invitations to "Class of '86" participants (for the TLC program beginning in January 1986) will be issued by the medical organization in mid-October.

Beginning in January, a publication called the "Hope Health Newsletter" will be distributed to all SNLA employees and retirees. The eight-page newsletter runs the gamut on health management topics — everything from cycling vacations to recipes for the weight watchers.

Many Sandia organizations have contributed to the overall design and planning of the TLC program: Medical, Benefits, Plant Engineering, Safety, Education and Training, the personnel representatives, and the LAB NEWS.

Promoting good health is more than a good idea. Wellness in the workplace is now a national priority: the government has targeted 1990 as the date for every major company to have at least some workplace health promotion programs underway. With the TLC umbrella now covering several programs previously begun by the medical organization, Sandia is way ahead of the 1990 goal.

## 'Get Involved, Stay Involved': Bray

Sandia's new TLC (Total Life Concept) program has strong support in high places. Executive Vice-President Lee Bray (30) is enthusiastic about wellness on both the personal and the corporate levels.

"We as individuals are largely in charge of our health — how we feel — and our destinies — how long we survive," says Lee. "And all of us are aware that there are things we can do to increase both our longevity and our quality of life.

"TLC will reinforce that concept by providing information about living well and long. But education is not, by itself, enough — after all, most of us have plenty of information already.

"What TLC will do, we hope, is to make the process of getting healthy and keeping healthy contagious, build momentum, make it a popular program — that is, create an avalanche effect where each of us is setting an example that helps others."

It's true, of course, that TLC is designed to meet some corporate goals — reducing health care costs, increasing productivity by reducing sickness absences, for example. But Lee points out that the benefits

may be more intangible than tangible: "We have people who frequently don't feel very good, but they come to work faithfully and do the best they can. I have to admire that kind of dedication, but they aren't really as effective as they could be. They need help, they need encouragement, they need to see — or feel — the results of getting into shape.

"Of course that benefits Sandia. And it benefits all of us who are part of Sandia when, collectively, we're more productive. But most of all it benefits the person who starts to feel good.

"So it's a win-win situation. Everyone gains, including the Labs, when we develop the camaraderie that makes getting healthy and keeping healthy the thing to do on a permanent basis, when together we develop replacements for poor habits.

"And the time is right for us to make the mental adjustment required to change our norms, our behaviors, to those that promote our own well-being. Yes, I have high hopes that TLC will be the catalyst we need to make a significant difference in the health and fitness levels of all our employees."

## Health Front Healthy at SNLL

Although not under the TLC umbrella, Sandia Livermore employees can participate in a variety of health promotion classes and lectures coordinated by Benefits, Medical and EEO Division 8026.

Division supervisor Carol Verity reports that opportunities for SNLL employees include back care clinics, Nicorette support groups for smoking cessation, periodic breast self examination workshops, and skin cancer detection lectures. "We also have placed scales in remote locations around the lab so employees can keep track of that latest weight loss — or gain," says Carol.

A Weight Watchers at Work program will be offered very soon, and the Total Health Wellness/Fitness programs offered by Valley Memorial Hospital are being explored.

Consulting physician John

Rhodenbaugh (8026) is very supportive of the wellness concept. He's available for individual employee consultation on diet, exercise, and other subjects.

Don Charlesworth (8026) and a committee of directorate representatives coordinate recreation activities for Livermore employees. They include basketball, softball, tennis, racketball, bowling, golf, and skiing. And of course, there's "the biggie" each year — the Directorate Challenge Race!

A part of SNLL's recreation budget is used to purchase memberships, on request, for Sandia employees and their families in the Lawrence Livermore National Lab Recreation Association. "This arrangement enables our employees to use the recreational facilities across the street, and to participate in other LLNL health and travel programs as well," Don says.

### Health Program Survey

Last month Medical sent a survey to a random sample of Sandians to determine feelings about more health promotion programs at work, areas of interest, and scheduling concerns. Survey responses were swift and affirmative.

Data are still being tabulated and analyzed, so exact results are not yet available. However, the overwhelming majority of respondents asked for more health promotion programs at the Labs. High interest areas are exercise, weight loss, and smoking cessation.

Upon completion of the survey analysis, results will be shared with you. Information gathered will be used for TLC planning.

### Congratulations

Robert Kraus (3426) and Judy Lynn Penick, married in Las Vegas, Nev., Sept. 24.

Roy (6222) and Kathy Johnston, a son, Trevor Scott, Sept. 10.

David (6452) and Jana Vehar, a daughter, Christine Ann, Sept. 12.

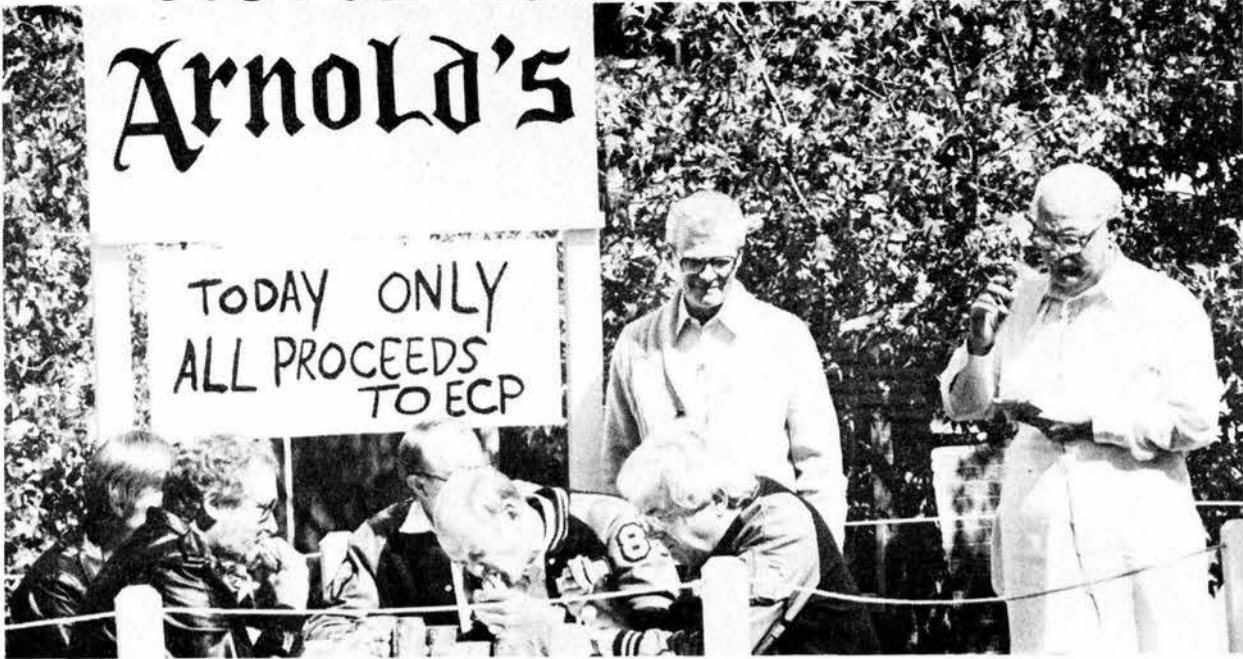
Yvonne (7253) and Victor Vallejos, a daughter, Melanie Kristen, Oct. 1.

Rod (3161) and Maria Geer, a daughter, Leah Caitrin, Sept. 21.

Francine McCoin (21-1), a daughter, Raycine, Oct. 2.

Penny Fowler (7251) and George Greer (7543), married in Albuquerque, Sept. 28.

# 50s Fun Kicks Off ECP Drive



**EATING TILL IT HURTS** — The Dacey and the Crewcuts gang went *Happy Days* to show that joining the Employee Contribution Plan is the wise way to meet community needs. From left, Lee Bray (30) as Chachi, Herb Pitts (3500) as Fonzie, Orval Jones (5000) as Ralph, Bill Brinkman (1000) as Potsie, Art Davie (3000) as Richie, Art Arenholz (3710) as Mr. Cunningham, and George Dacey (1) as Al.



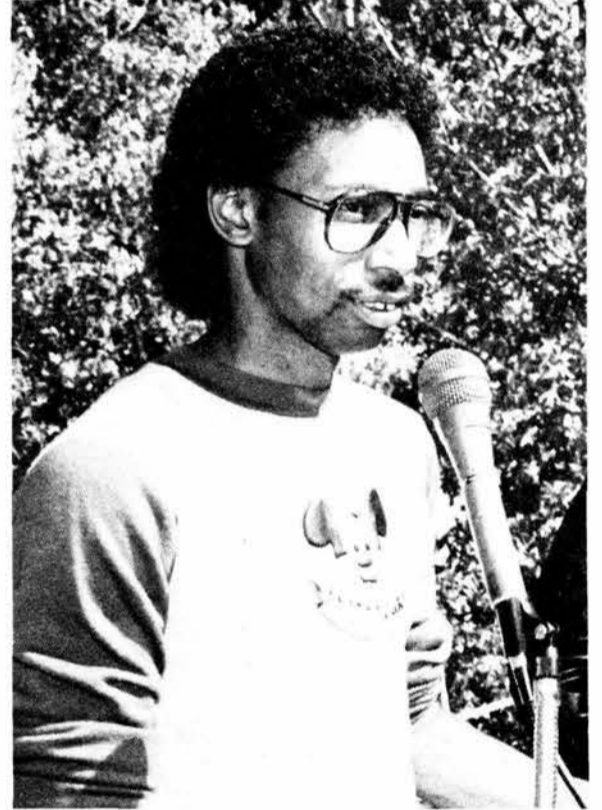
**ALICE MOORE** (3141) won the approval of the ECP Kickoff crowd when she crashed the 50s Dance Contest. In fact, she was awarded the Grand Prize — a *Happy Days* script called "The Kissing Bandit," autographed by The Fonz himself, Herb Pitts-impersonator Henry Winkler. Making the script presentation was one of the event's two emcees, Ben Ortega (3424).



**BEFORE THE SHOW**, The Fonz rehearses his lines.



**HULA HOOP ARTISTE** Barbara Pass (3543) won that hip-swiveling competition. Her prize is "A Trip to Sandia a la Dacey" — George will be her chauffeur for a day.



**OTHER EMCEE**, Vernon Koonce (5173), helped fill the Library Mall with 50s music. Basking in the sounds were a pair of 1955 cars on the far side of the Mall: a Chevy BelAir owned by Terry Bisbee (2634) and a Ford Crown Victoria owned by Eldon Brandon (7473). Each cost around \$2500 new and is worth some \$15,000 today.



**HALF A DOZEN** booths from several ECP-supported health care agencies made the Oct. 1 Kickoff event informative as well as entertaining. This is the American Cancer Society's booth and its staff. Best Booth Award went to the Rehabilitation Center booth decorated by the representatives from Org. 3000, Theresa Blair (3154) and Barbara Pass (3543).



**TOP EIGHT** dance contestants won cakes personally baked by directors or union officials. So even Kickoff Committee Chairman Sieglinde Neuhauser (6321) and her partner, Pete Rodriguez (7812), took some directorial delicacies back to their offices.

## In Form & Informed

*Q. I'm taking an aerobics class and recently have had sharp pains in the front of my lower leg. What causes this and what can I do about it?*

A. It sounds suspiciously like shin splints, not an uncommon problem with joggers, dancers, and now with aerobics participants. Shin splints give you a sharp pain in the front of the lower leg (shin). The causes of shin splints are not known exactly. It is thought to involve inflammation of some deep muscles of the lower leg at their attachments to the interosseus membrane, the connective tissue sheath running between the two bones of the lower leg (tibia and fibula).

Several factors contribute to shin splints: obesity; poor physical conditioning or exercising too much; worn shoes with inadequate support and cushion; jogging or jumping on hard surfaces; and jogging on the toes instead of heel to toe. If your aerobics class meets in a room with a hard floor, bring a mat (nonsliding) to cushion your jumps and jogging.

Shin splints must be rested or they get worse. Continue to attend class and do the exercises that do not cause pain; do not jump or jog. A heating pad or warm soak every evening will help. (Be sure it is a few hours after exercise.) Shin splints often take weeks to heal and may recur if you push too hard, so be patient and resume activity gradually. An alternative, nonweight-bearing activity (such as swimming or bicycle riding) will help you maintain aerobic fitness until the shin splints heal.

Laurel Traeger-Mackinnon  
Exercise Physiologist

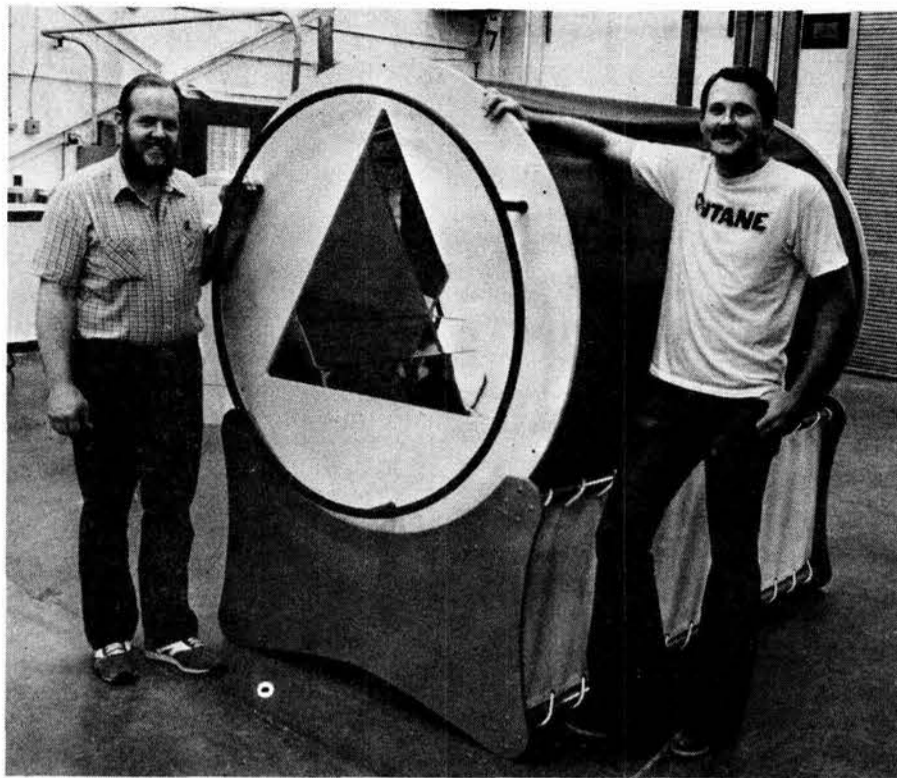
[Send questions for this column to Susan Harris, 3330.]



Here are some current volunteer opportunities for employees, retirees, and family members. If you would like more information, call Karen Shane (4-3268).

**ALBUQUERQUE HIGH SCHOOLS' Forum in Contemporary Issues in Science** needs volunteers to serve as mentors for students who are researching and writing papers on the impact of science and technology on society. Topics are: Star Wars: The Ultimate Defense or the New Arms Race?; 1984: Computers, Cable TV, and Big Brother; World Hunger: Can It be Solved?; Public Health: AIDS. Meeting for Sandia volunteers will be Friday, Oct. 18, Bldg. 822, 12:30-1:30.

**NEW MEXICO MUSEUM OF NATURAL HISTORY** needs volunteers with basic carpentry skills to help out during these final days before its grand opening on January 11.



KALEIDOSCOPE CONSTRUCTION took the combined talents of the sheet-metal, pattern, welding, and paint shops. Head honcho was Robb Gunter (7481, left) with assistance from Steve Davis (7473). Eventually, the device (see Page One) will delight the patrons of EXPLORA in Banner Square (the old Albuquerque High School).

## feed back

*Q. It now takes two weeks advance notice to guarantee a clearance to visit another agency. One week should be enough. That way, fewer phone calls to expedite the clearance would be necessary.*

A. The time required to guarantee a clearance at another agency may seem unacceptably long, but for those persons responsible for sending the clearance, it often seems too short. Last year we processed 14,000 security clearance visit requests. Even though the number of clearance requests increases every year, we want to provide timely service to you. But in order to do that, we solicit your interest and want to assure you we are making every effort to keep this process as efficient as possible with the resources available.

J.D. Martin — 3400

*Q. Why are Sandia Lab Federal Credit Union loan interest rates and share account interest rates so far out of line with the DOE/AL credit union?*

A. We must realize there are differences between the two credit unions in terms of size, number of locations, services offered, office hours, variety of loans, terms, rates, and sponsor subsidies. Each board of directors must set rates for both savings and loans that it feels are competitive and meet member needs. For example, SLFCU has lower rates on used car loans while the DOE/AL Credit Union has lower rates on new car loans. The SLFCU board periodically surveys local markets, including commercial institutions, in an attempt to set competitive rates for both savings and loans.

Joe Ruggles, President  
SLFCU Board of Directors

### Retiree Roundup

## The Fine Art of 'Grantsmanship'

by Gene Jeys (ret.)

When we told our friends that we were selling our home in Albuquerque and retiring to Grants, they invariably asked, "Why Grants?"

Well, we've been here now about six weeks so we're better able to answer that question. And one answer is that we could afford the housing — it's about a third less expensive than in "The City."

Grants is also cooler, by some 10 degrees. The people are friendly. And there's lots to do.

So far, we've hiked our backyard mountain Mt. Taylor, fired up our metal detector, enjoyed the Bi-County Fair and Rodeo at Prewitt just down the road, and checked out the shopping facilities (the prices are frequently more reasonable than in Albuquerque). City services are good, the library is excellent, and the lumber yard has everything I need for my woodworking. We've not

yet become involved with senior citizens' activities, but the local paper indicates that such groups are very active here.

We've exchanged visits with Sandia retirees Ken and Rosemary Harrington (who live in Ramah, some 60 miles south of us) and plan to explore with them some of the historical sites in the area.

I've not yet hooked up with a Boy Scout troop here, but that's bound to happen one of these days. Eve has agreed to teach a weekly class in crewel in Albuquerque in October, so we'll be making the three-hour round trip four times that month. Albuquerque's not that far away.

True, six weeks does not a retirement make, but we think we're off to a good start. And to those who asked, "Why Grants?" we can now answer, "Because it's the right place for us!" If you're retiring and interested in coming over here, give me a call on 285-5931.

# Supervisory Appointments

MELQUIADES "MICKEY" SANCHEZ to supervisor of Input and Cataloging Section 3422-1, effective Oct. 1.

Mickey came to Sandia in 1954 as a messenger, then worked in General Stores and Receiving. Later he became a property clerk and has been in property management since that group was formed in the mid-70s.

Before coming to Sandia, Mickey served two years in the Army artillery. He and his wife, Colfita, have five daughters, one still at the family home in Peralta. His hobby is carpentry; his greatest joy is spending time with his family, which now includes five grandchildren.

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PHILLIP VOUTERIN to supervisor of Custodial Services Division 3426, effective Oct. 1.

Since coming to Sandia in 1957, Phil has been a messenger, a stockkeeper, a service clerk in Quality Assurance and in General Stores, a custodian, a plant equipment investigator, a transportation dispatcher, a property clerk, and a control analyst in the Motor Pool. He was promoted to section supervisor in Custodial Services in 1980.

Phil served in the Air Force from 1951-55, attended UNM, and was a mail carrier for the Post Office before joining Sandia. He enjoys gardening, and he lives in NE Albuquerque.



MICKEY SANCHEZ (3422-1), PHILLIP VOUTERIN (3426), and ARTURO JIMENEZ (3424-1)

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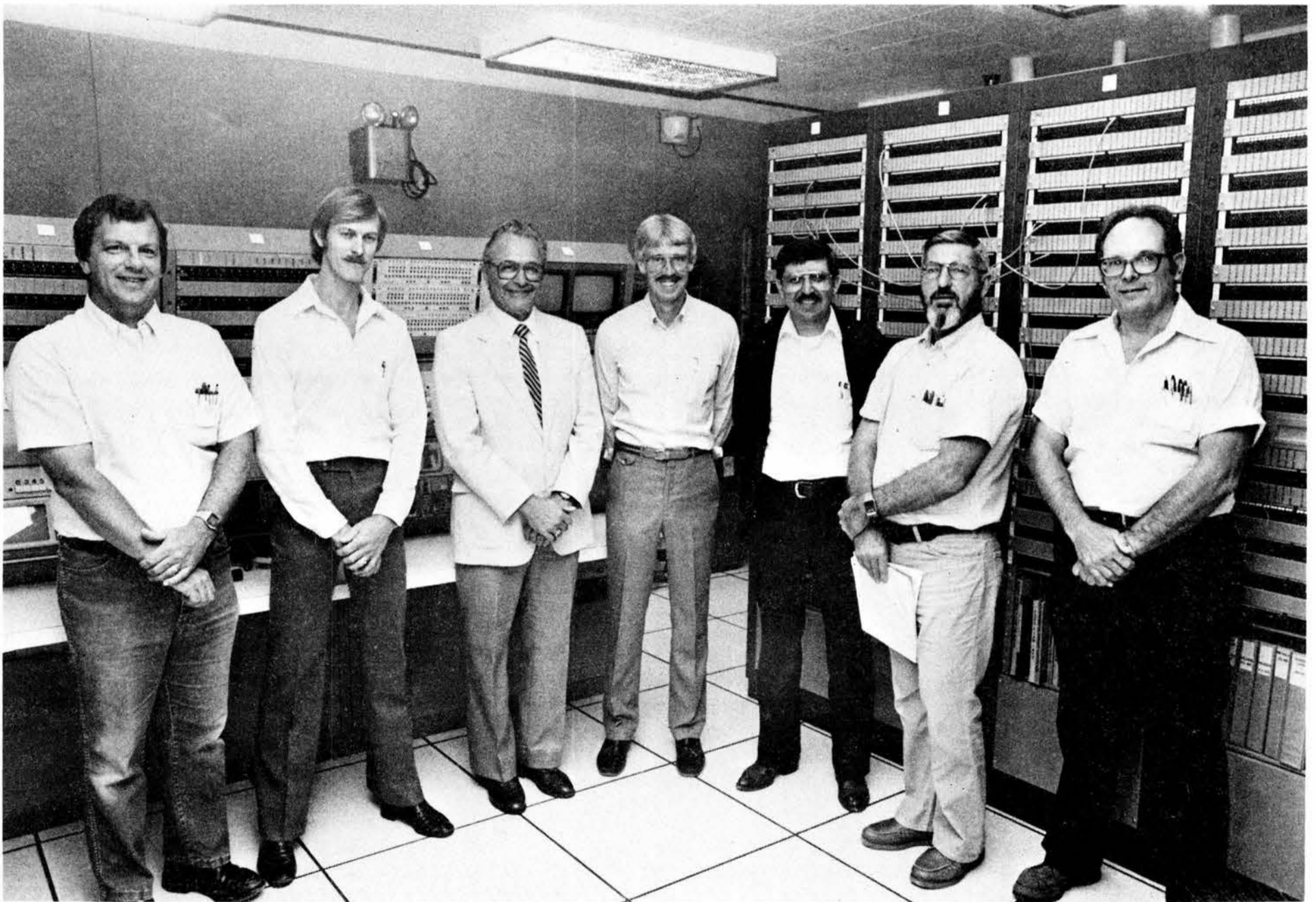
ARTURO JIMENEZ to supervisor of Office Machine/Instrument Loan Pool Section 3424-1, effective Oct. 1.

Art came to Sandia as a messenger in 1952; he later worked in General Stores, instrument service, and property management. He has been an equipment coordinator in the instrument pool for the past several years.

In 1948-49, Art was a military policeman stationed at Sandia Base (KAFB-East's

predecessor); he remembers well the difficulties Sandians had in meeting the strict military security regulations in effect before the tech areas were enclosed by fences. He served two years in Korea immediately before coming to Sandia.

Art and his wife, Annie, have three sons and three daughters; three children still live at home. Art's primary avocation is keeping their vehicles running, but he also enjoys duck hunting. The family lives in NE Albuquerque.



NEW TECH CONTROL CENTER is now operating in Bldg. 836. The Center is one of nine (the seventh manned version) at SNLA. Collectively, the TCCs allow individual computer users to link their terminals with any of several mainframes connected to any of the TCC data switches. That capability gives users routing flexibility, allowing networking to multiple mainframes. The new Center can handle 1024 terminals simultaneously and has on-line diagnostic equipment

that permits rapid troubleshooting from the controls behind (from left) Dan Puetz, Dennis Bateman (Bldg. 836 TCC project leader), Gino Carli, Terry Bisbee, Joe Sena (section supervisor), Tom Schultheis (division supervisor), and Gary Kinemond. Most are in Communications Engineering and Services Division 2634; Gino (2820) and Gary (5151) represent two of the major user groups that benefit from the new Center.

## Take Note

Lee Bray (30) is now Sandia's representative on the joint Albuquerque Economic Development/Industrial Foundation of Albuquerque Board of Directors. He replaces Ray Powell, retired vice-president of administration, who was on the board for several years.

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The 32nd Annual Reliability and Maintainability Symposium is set for Jan. 28-30 in Las Vegas, Nev. The Symposium is sponsored by a number of professional organizations whose interests include reliability, availability, maintainability, logistics, and system and cost effectiveness. More info from: G. T. Katt, Boeing Commercial Airplane Co., Renton Division, P.O. Box 3707, MS 77-82, Seattle, Wash. 91842.

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The "Lou Rawls Parade of Stars" telethon to benefit the United Negro College Fund isn't until December. But tonight is a kickoff featuring vocal jazz singer Nita Zarif of Denver, at the Clarion Four Seasons from 5 to 7. Admission is a cash donation. More info from UNCF Chairman Bill Brown (1533) or Vernon Koonce (5173).

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Bill Pepper (ret.), president of the Albuquerque Philatelic Society, has put his stamp of approval on this year's Fall Stamp Show. This year it will be held in conjunction with the New Mexico Philatelic Association at the Red Carpet Inn (12901 Central NE) on Oct. 18-20. Those who attend will see "66 frames of interesting philatelic materials" and a U.S. Post Office with many of the latest offerings.

Show chairman Jim McCutcheon (ret.) notes that APS members will be available to answer questions and help with item identification. No admission charge, door prizes. More info from Pete Kaestner (1636) or Jim Cocke (7231).

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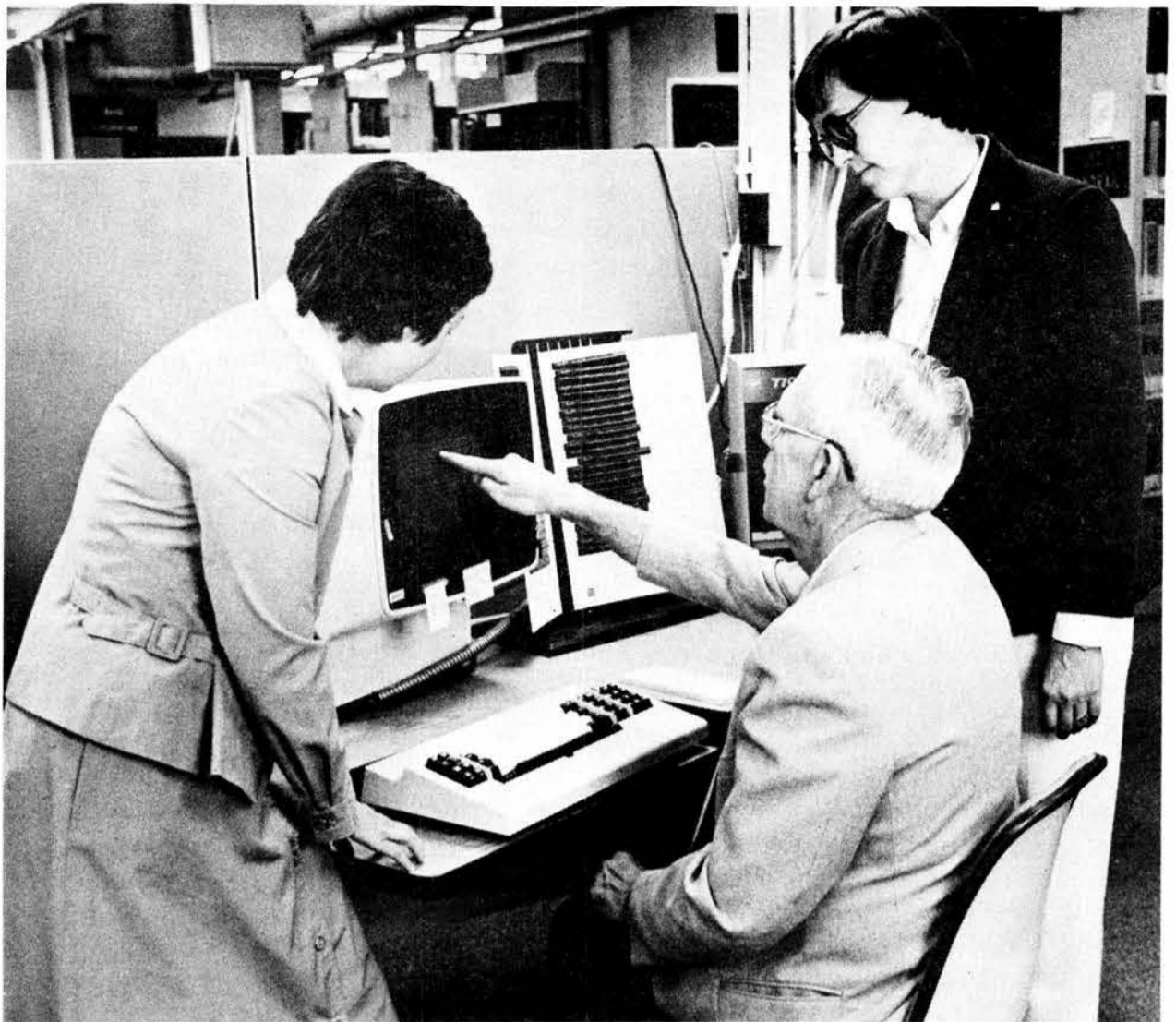
The National Atomic Museum has mounted a major permanent exhibit on nuclear weapons testing. The exhibit details the history, methods, and locations of testing, and the reasons that the U.S. has tested weapons in the past and continues to test today. Non-destructive testing, simulated nuclear testing, environmental simulation, and the R&D activities involved in putting weapons into stockpile are also included.

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You can shell out fewer dollars to see the Southwest Ballet Company's Dec. 1 performance of *The Nutcracker* at Popejoy this year. Sandians are eligible for the discount tickets offered Kirtlanders through the Coronado Club and the Que Pasa Recreation Center from now until Nov. 18. Tickets normally \$14 and \$8 (for 12 and under) will be \$12 and \$7; tickets normally \$12 and \$7 will be \$8 and \$5. More info from Judy at Que Pasa on 4-5420.

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Fall Open House at APS's Career Enrichment Center (807 Mountain Rd NE) is Oct. 16 from 6 to 8 p.m. Planetarium



IT'S TOUR & TRAINING TIME in the Tech Library. With lots of services, books, and other reference materials in new locations, and with a new online book catalog (DOBIS) ready for unveiling, the Library invites its users to come in and get reacquainted. The staff will lead tours of both old and new wings at 3 and 3:30 p.m. every workday from Oct. 14 through 25. Those who wish to get briefed on DOBIS can take the chair John Banister (7111) is occupying here and get advice from the experts — Nancy Pruet (3144) and Chris Morgan (3142) — on how DOBIS can help in finding just the right book. John, a member of the Library Advisory Committee, served as a guinea pig as the Library adapted DOBIS to Sandia users.

shows, a Guidance Information System, and special class demonstrations are on the agenda. More info from David Magruder, 247-3658.

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Tomorrow is the deadline to register for the Albuquerque Association for Gifted and Talented Students' seventh annual conference for parents and educators of gifted children. The theme is "Excellence Through Unity." A speaker and 13 workshops in four sessions will discuss the needs of gifted students from preschool through high school. The conference is Oct. 19 from 8 to 4:15 at the Albuquerque Academy (6400 Wyoming NE). More info from Linda Neufeld, 821-4317.

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Another presentation by Prudential-Bache Securities is at 5 p.m. on Oct. 30 at the Coronado Club. As they did during the meeting held Sept. 25, the P-BS people will use a computer to compare various financial alternatives. More info from Bill Sellers, 881-2323.

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An "Albuquerque Solar Weekend," sponsored by the NM Solar Energy Institute/NMSU; PNM; T-VI; and the city's Dept. of Environment, Health and Energy, is set for Oct. 25-26 at T-VI. Workshops, lectures, and design assistance are part of the event. More info from the Sun Dial (800/432-6782).

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The Rio Grande Telephysics Society is sponsoring a meeting covering a variety of health physics topics on Oct. 25 from 9-5 at Fuller Lodge in Los Alamos. Papers presented in the morning session will

concentrate on transportation of radioactive waste and nuclear material; afternoon presentations will cover several different subject areas. The 6:30 dinner speaker will be Richard Cuddihy of ITRI on "Science and Litigation: For Better or Worse." For more info, call Gene Runkle at DOE, 846-2046.

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The New Mexico Chapter of the Society for the Advancement of Material and Process Engineering (SAMPE) will hold its October meeting on Oct. 16 at Mi Casa Su Casa (4601 San Mateo NE, next to Montgomery Plaza). The guest speaker will be Jack Dwyer, a national past president of SAMPE. Cocktails begin at 6:30 p.m., dinner at 7, and the program at 8. The Chapter invites anyone who works with or is interested in any kind of materials or their applications to attend. Contact Wayne Cyrus (7473) at 4-2562 or Ken Wischmann (7472) at 4-7532 to make a reservation.

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### Sympathy

To Fred Boston (7841) on the death of his wife in Albuquerque, Sept. 26.

To Linda (2426) and Earl (6311) Gruer on the recent death of his father (Al, retired) in Florida.

To Jude Worden (7481) on the death of his mother-in-law, Sept. 22.

To Venito Vasquez (7474) on the death of his father-in-law in Albuquerque, Sept. 26.

To George Urish (2812) on the death of his father in Pennsylvania, Sept. 21.

To George Steigerwald (2346) on the death of his son in Albuquerque, Sept. 20.



## Fun & Games

**Golf** — Winners of the recent SGA Cup two-day tournament played at Los Altos and the UNM South Course are (low gross listed first, then low net) Leon Chapman (6432) and Charlie Carter (3455), A flight; Ron Tucker (1622) and Bill Alford (1124), B flight; and Cecil Johnson (ret.) and Randy Rozell (2857), C flight.

\* \* \*

**Shooting** — The Sandia Labs Rifle and Pistol Association is holding a target shooting clinic Oct. 14 from 5 to 7 p.m. during the regular meeting at Alcon's Target Club. A home firearms safety course is tentatively planned for Oct. 30. If interested in either event, call Fred Bailey on 6-7450.

\* \* \*

**Volleyball** — The fall volleyball league starts Oct. 21. Anyone wishing to play should contact the Recreation Office at 4-8486.

\* \* \*

**Touch Football** — Play begins Oct. 14. Again, contact the Recreation Office on 4-8486 for more info.

\* \* \*

**Running** — A race clinic with Kenneth Cooper, M.D., is scheduled at 8 a.m. on Sunday, Oct. 13, at the UNM North Golf Course. Dr. Cooper's 1968 book, *Aerobics*, became the official exercise program of the U.S. Air Force, the U.S. Navy, the astronauts, Brazil's World Cup Soccer Team, and several National Football League Teams. Following the clinic, you'll have a chance to participate in a 10k hot air/clean air race, or a two-mile fun walk/run. Registration forms available at the Bernalillo County Health Office, 1111 Stanford NE, tomorrow from 10-2. Race day registration closes at 7 a.m.

\* \* \*

**Archery** — The Manzano Archery Club will have a membership meeting on Oct. 17 at 6:30 p.m. in Bldg. 20602A (east of Atomic Museum). Meeting also open to interested non-members. Call Dewey Reed, 265-2687, for more info.

\* \* \*

**Horseshoes** — Winners of the SNLA 26th Annual Horseshoe Tournament were Tom Towne (5151), Class A; Steve Mahnesmith (2852), Class B; John Zagar (3428), Class C;

and Jim Tempel (2631), Class D. Defending champion Marcy Sly won the Women's Division competition. Winning the Doubles Tournament, All Classes, were Steve Mahnesmith and Fred Shoemaker (ret.). Curley Saxon won the Retirees Singles Tournament, and Curley teamed with Dan Padilla to win the Retirees Doubles. Awards will be presented at the Coronado Club on Oct. 23 at 5 p.m.

\* \* \*

**Ski Swap** — It's that time of year again. The Sandia Peak Ski Patrol's 19th annual Ski Swap will be held Oct. 25-27 at the Agriculture Exhibit Bldg. at the State Fairgrounds. The Swap offers skis, boots, poles and clothing for both downhill and cross-country skiers at reasonable prices. Ski Patrollers will be there to offer advice on equipment. If you want to sell equipment, register it on Friday between noon and 8. The sale runs on Saturday from 9 to 4 and on Sunday from 2 to 4. The Ski Patrol uses Swap proceeds to buy medical supplies and equipment to help injured skiers at Sandia Peak.

\* \* \*

**Women's Basketball** — A women's basketball organizational meeting will be held Wednesday, Oct. 16, in the Eldorado Room of the Coronado Club at 4:45 p.m. Proposed changes in the League (drafting to form teams, a players' clinic, recruiting of new players) will be discussed. If you want to play basketball starting in December, please attend the meeting or give your name to Stan Ford (4-8486). No experience is necessary — this is a fun league!

### Chemicals and Computers Mix



... "A student chooses two test tubes from a rack, pours the contents into a beaker, and heats the mixture. Suddenly, it explodes. If this accident happened in a real chemistry lab, the consequences would be serious. But this lab would be a simulation — test tubes, beaker, and explosion would all be video shows coded onto a videodisc and played back by commands given to a microcomputer. This simulation is only one example of interactive videodisc, which combines video images recorded on disc and random-access capability. The new medium has been called 'the ultimate educational tool,' and it combines the potential of many teaching devices. Interactive videodisc brings together the emotional power of the television and the interactive power of the computer. It is destined to have a major impact on education, training, information services, retail sales, and entertainment."

Richard L. Currier in *High Technology*

## Events Calendar

- Oct. 11 — Lecture by Kenneth Cooper, M.D., aerobics expert and author, reserved seats \$2 and \$4, 8 p.m., Popejoy Hall.
- Oct. 12 — The Vienna Choir Boys, 7:30 p.m. First United Methodist Church, 243-5646.
- Oct. 12 — "The American Dancemachine," 8:15 p.m., Popejoy Hall, 277-3121.
- Oct. 12-13 — Solar and Energy Saving Exposition, Convention Center.
- Oct. 13 — Movietime at the KiMo — Love to Laugh Series: "Mr. Hulot's Holiday," French (1953), Jacques Tate, 7 p.m., KiMo.
- Oct. 13 — Film, "The Redwood Empire," Central New Mexico Audubon Society's Nature and Wildlife Series, 7:30 p.m., Popejoy Hall.
- Oct. 13-18 — International Arabian Horse Show, State Fairgrounds.
- Oct. 13-Jan. 4 — Exhibit, "The Graphic Art of Charles Schulz" (Snoopy, Lucy, et al.), Albuquerque Museum.
- Oct. 18 — Showtime at the KiMo: Don McLean (Mr. "American Pie"), singer/guitarist, 8 p.m., KiMo, 766-7816.
- Oct. 18-19 — New Mexico Symphony Orchestra Concert: Neal Stulberg, conductor; James Buswell, violin; 8:15 p.m., Popejoy Hall.
- Oct. 20 — Movietime at the KiMo—Boy Meets Girl Series: "Diabolique," French (1955), Simone Signoret, 7 p.m., KiMo.
- Oct. 24-Nov. 2 — UNM Experimental Theatre series, "A Dance Again," modern dance, ballet and flamenco, 8 p.m. and 2 p.m. (Oct. 26), Rodey Theatre, 277-4402.
- Oct. 25 — Crownpoint rug auction, rug viewing at 3 p.m., auction at 7 p.m., Crownpoint Elementary School, 786-5302.
- Oct. 25 — Showtime at the KiMo: Abdullah Ibrahim, South African pianist/composer, homage to Ellington and Monk, 8 p.m., KiMo, 766-7816.
- Oct. 25-27 — Albuquerque Doll and Miniature Show, Creative Arts Center, State Fairgrounds.



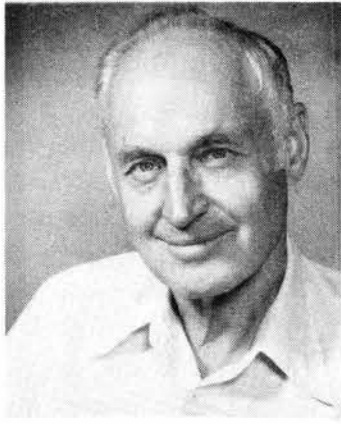
BRONZE STARS for meritorious service during WWII were awarded to two Sandians, Orville Padilla (6450), left photo, and Clarence Ray (3741), in ceremonies at the Parade Ground last month. Members of the NM National Guard's 200th Coast Artillery, both men survived the fall of Corregidor (May 1942)

and the infamous Bataan Death March. They were prisoners of the Japanese for the rest of the war. Col. Charles Thomas, Kirtland base commander, presented the awards to a total of 24 Bataan veterans.

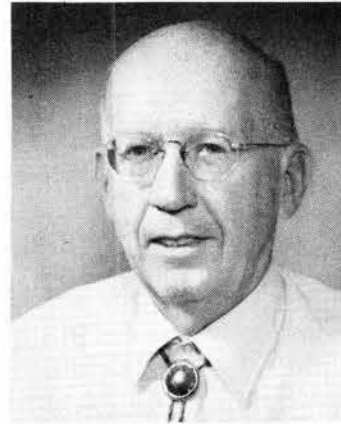
# MILEPOSTS

## LAB NEWS

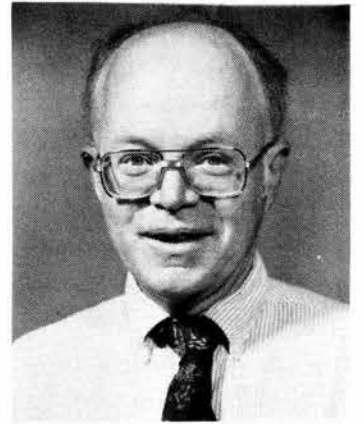
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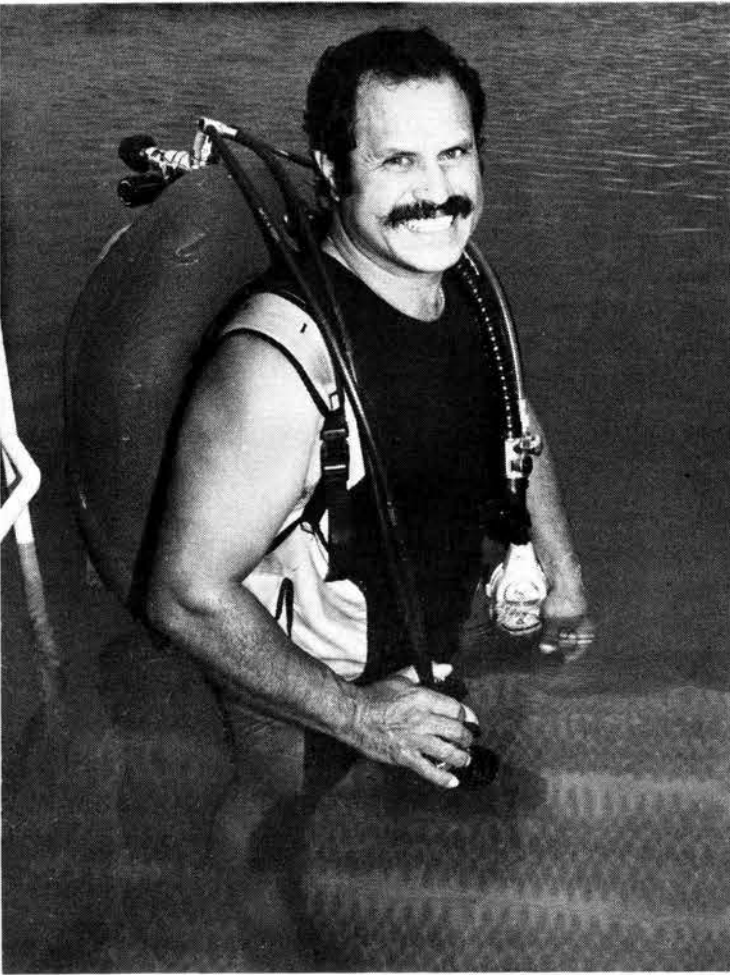
T.H. Reed (2543) 35



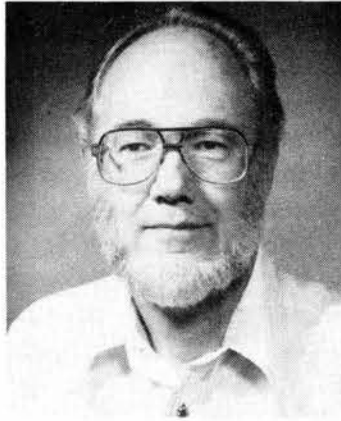
Irwin Janney (7483) 30



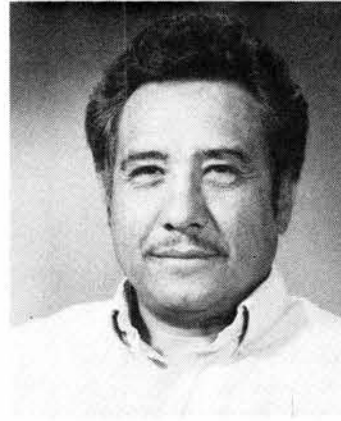
Gene McGuire (1271) 20



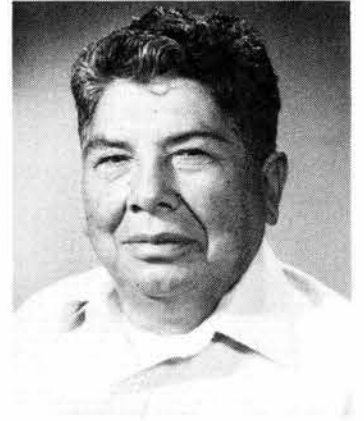
Dennis Gutierrez (7535) 20



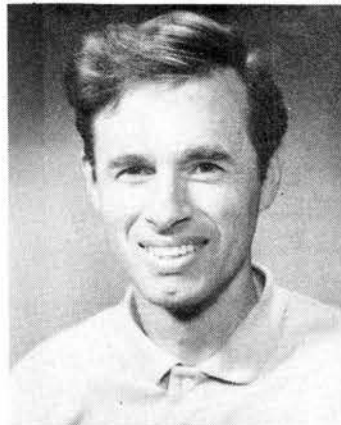
Charles Clark (7223) 35



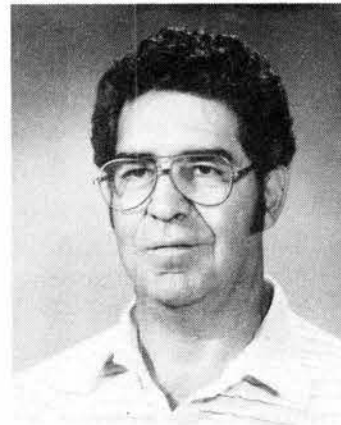
Levi Anaya (7813) 15



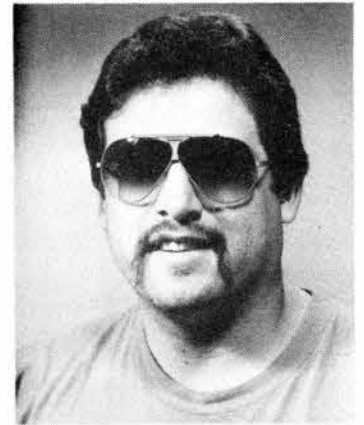
Mike Garcia (7818) 15



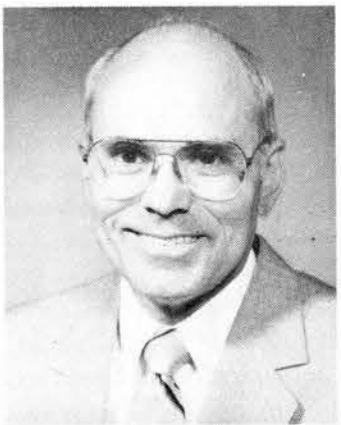
Phil Thacher (7242) 20



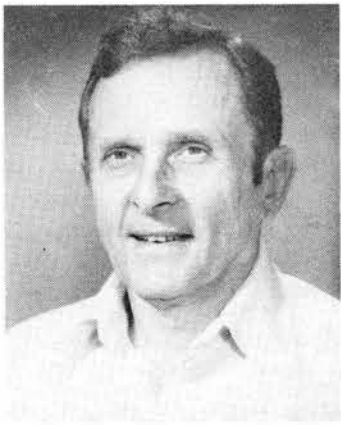
Robert Vasquez (7116) 15



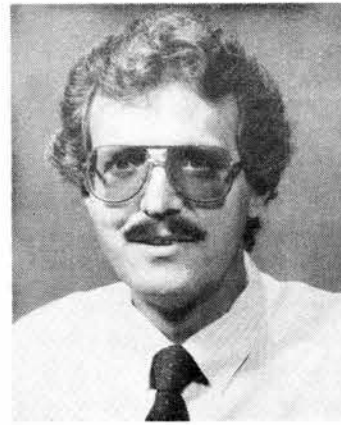
Lincoln Sanchez (3429) 10



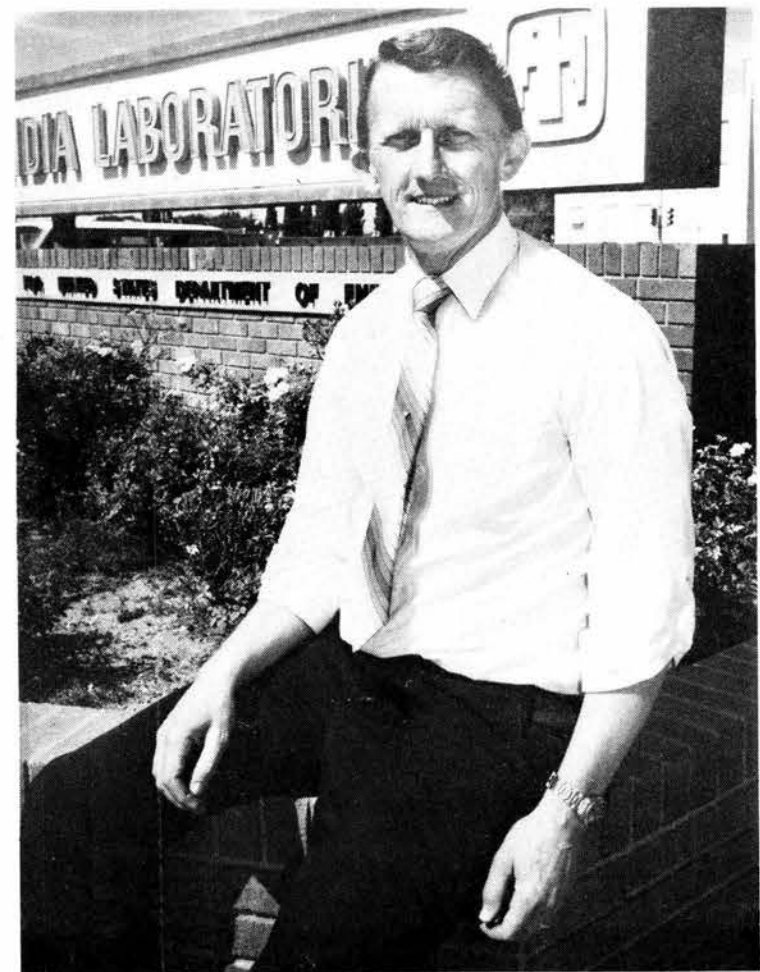
Waylon Ferguson (3150) 35



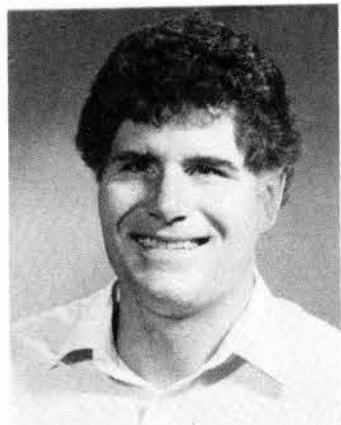
Joe Szymanski (4051) 35



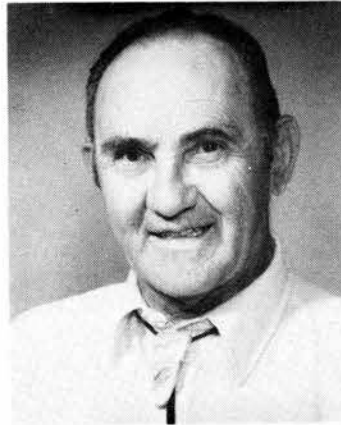
Bill Camp (6425) 15



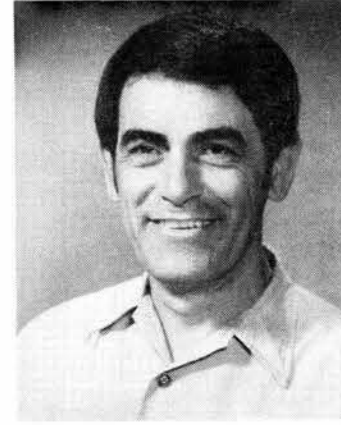
Mike O'Bryant (2858) 25



Jeff Quintenz (1265) 10



Jay Davidson (3463) 35



Gilbert Aragon (7812) 10

**Deadline: Friday noon before week of publication unless changed by holiday. Mail to: Div. 3162.**

#### Ad Rules

1. Limit 20 words, including last name and home phone.
2. Include organization and full name with each ad submission.
3. Submit each ad in writing. No phone-ins.
4. Use 8 1/2 by 11-inch paper.
5. Use separate sheet for each ad category.
6. Type or print ads legibly; use only accepted abbreviations.
7. One ad per issue per category.
8. No more than two insertions of same ad.
9. No "For Rent" ads except for employees on temporary assignments.
10. No commercial ads.
11. For active and retired Sandians and DOE employees only.
12. Housing listed for sale is available for occupancy without regard to race, creed, color, or national origin.

#### MISCELLANEOUS

- AMPLIFIER, integrated, NAD, 3150, 50+ w/CH, \$315. Hsing, 293-5670.
- TYPEWRITER, IBM Selectric, Model D, \$80. Penn, 883-4195.
- TELESCOPING TOWER, 35-45 feet tall, tubular or triangle. Moore, 294-5646.
- CROSS COUNTRY SKI Equipment: skis, \$30; poles, \$10; alpine boots size 40/255, \$25; or \$50 for the lot. Mowrer, 281-5595.
- DINING TABLE/CHAIRS, \$800; couch + loveseat, \$300; end tables, \$45; chandelier, \$45; gold side chair, \$75. Haid, 292-0159.
- FIREWOOD, oak, cedar, pinon, mixed; delivered and stacked, \$95/cord. Lucero, 877-3350.
- ZUNI BUTTERFLY RING, signed, \$45; tote bag, American Tourister, gold, \$25. Nowak, 867-5317.
- PIANO, walnut, Yamaha console, purchased new in '84, lifetime transferable warranty, \$1800. Ennis, 298-3631.
- GENERATOR, Sears, 2000 watt, 5 HP, 120 volts, \$700 new, sell \$400. Douglas, 281-9504.
- MOVING SALE, Oct. 11, 12, 13; refrigerator, bedroom sets, hide-a-bed, household items, whatever I've found in the attic, etc. Holt, 299-5943.
- BUMPER EXTENDER and camper hold-down for large overhead camper; fits Ford pickups, \$75. Wright, 296-3850.
- ROWING MACHINE, electronic, Pro-Form model, gas-pressurized shocks, ball bearings, cost \$410, sell \$275. Barr, 821-5870.
- EL REY STUCCO, cottonwood color, 21 bags, \$100 takes all. Weems, 281-5837.
- HORSES, LAMBS, tractor, riding lawn mower, sell or trade for firewood. Call anytime. Reasonable prices. Bernal, 869-2305.
- SOFA, 84", blue/green/reddish brown modern floral pattern, \$395; neck traction set, \$50. Babb, 256-9016; after 6:00 p.m., 865-6843.
- CANNING JARS, 4 doz., \$3/doz; wide-mouth jars, 1-1/2 doz., 10 cents each. Luikens, 881-1382.
- TIRES, 2, P185/75/R13, steel-belted radials w/4-hole rims, fits Omni 024, \$60 OBO; bike, 24", 10-sp, needs work, free to good home. Cap, 294-2741.
- DINETTE SET, 9-piece, walnut, \$99; camper shell, long bed, \$150. Martin, 299-6751 after 5:00 p.m. weekdays.
- WOOD DOORS, 2, 79-1/2"x31-3/4", \$25 ea.; mini-trampoline, \$30. Ferrell, 256-0085.
- GRIZZLY WOOD STOVE fireplace insert w/blower; bought at Out West Enterprises for \$890, sell for \$550,

firm. Baca, 898-5088.

DINING SET, brass and glass with cane and velour upholstery, \$265; Sears gas dryer, \$100. Beasley, 298-8911.

METAL LATHE, 10" Atlas/quick change feed drive, many extras, \$995. Lewis, 255-3483.

TV, 12" RCA B & W portable, white case, w/special offset floor-to-ceiling brass pole, \$40. Rainhart, 821-3690.

TENT, 8'x10', Hilary (Sears), family-sized, sleeps 4 adults, external frame, 6'6" center height; new \$150, asking \$110. Schkade, 292-5126.

SAILBOARD, Pacific I, asking \$475; Dayton generator, 3-kW, new, \$550. Schuler, 821-8944.

40" CIRCULAR TABLE, white Formica, 10" leaf, 2 chairs, \$60; Kirby upright vacuum, \$150; twin bedframe, \$90; sewing machine, \$160. Fjelseth, 296-2257.

WORD PROCESSOR, CPT Visual Memory II, IBM Selectric keyboard and letter-quality printer, cassette tape permanent memory, \$500. Graham, 865-9427.

STEREO-in-a-cabinet, 60" length, AM/FM stereo radio, 8-track, BSR turntable, 4-sp, automatic changer, \$80. Schalles, 243-7131.

PIANO, Clifford Wells cabinet grand (old) with bench, dark oak, \$500. James, 296-2582.

GOLF CLUBS, drivers, all stiff shaft, Shakespere graphite, \$35; H & B Citation, new \$40; Rawlings Lee Trevino metal head, new, \$45. Stang, 256-7793.

FLAGSTONE, 50 pieces, \$50; household gas and vapor detector, \$20; area intruder alarm, Ultrasonic, \$35. Mauldin, 265-5650.

LAWN MOWER, power, Sharp, 243-1498.

LOBO basketball season tickets, 2. Payne, 299-5966.

AQUARIUM, 55-gal., stand, accessories, \$50; long, wide pickup shell, \$100. Tobyas, 877-0354, after 7:00 p.m.

OPEN HEARTH BROILER/ROTISERIE, Farberware, 7-position rotisserie, stainless steel body, drip tray, \$30. Rauch, 821-6992.

EXERCISE MACHINE, Ajay Octagym, \$100. Patrick, 265-4569.

AF/FM/CB, PIONEER, used approx. 2 years, loc/dx, squelch, 40-channel digital-display, PA, fender-mount, pop-off dual antenna, \$100. Magnuson, 821-5330.

COUCH, orange, \$75. Nagel, 298-2779.

BOAT, 18-1/2-foot, wood has been glassed, needs work, no trailer, \$500 value, trade for ?? Kerschion, 281-1671.

CRAFTSMAN 8" circular saw and 4-3/4" jointer with 3/4 HP motor on own stand, \$295. Crompton, 299-5569.

CHAIN LINK FENCE, approx. 67 feet w/4-ft walk-through gate, 7-foot post and all hardware, \$100. Breden, 292-0775.

TEMP. ELECTRIC POLE, 6x6 beam with ground fault breakers, panel, weatherhead, everything; you pick up, \$100. Kelly, 281-9774.

SLIDING GLASS DOOR panels (2), approx. 3x6.6' ea.; no jamb frame, \$10 for both. Strascina, 294-0305.

QUEEN SIZE box springs/mattress, Selly posturepedic (firm), Cannonball head/foot boards, \$250. Smith, 281-9360.

CHAIRS: one brown/gold plaid recliner, one gold velvet rocker, delivered to Sandia, \$20 each, both \$35. Hawkinson, 281-1281.

SNOW TIRES for VW, 5.60x15 Firestone, less than 100 miles, \$35 for both. Muench, 867-5115.

TIRE, F78-14, K-Mart, brand new, \$25. Falacy, 293-2517.

VACUUM CLEANER, canister; chandelier; toaster oven; tonneau cover for Mazda or Courier pickup, white; each \$25. Sons, 294-3953.

CAMPER SHELL for small pickup. Maestas, 831-4072 after 5:30 p.m.

SNOW/MUD TIRES mounted 15" wheels; new emergency spare tire;

floor model humidifier; manual lawn-mower catcher; base cabinet, Pilat, 292-4727.

RECLINER, Lazy Boy Wall-Hugger Posturepedic, beige/rust, \$150; hair dryer, professional floor model, \$20. Gregory, 344-1436.

SNOW TIRES (2), Gillette W/W G78-14 replaces 8.25-14, used only one winter, \$35. Olson, 299-0483.

ANTIQUA SECRETARY, 5-yr old, full size; Baldwin Hamilton pecan wood piano. Miles, 1-832-6808.

MOVING/YARD SALE, Oct. 12-13, 9-5, 9104 Matthew NE, 3-dr refrigerator, ping-pong table, ski boots, hanging lamps, 40-lb bow/arrows, much more. Miller, 298-8913 after 5.

TWO BELL full face helmets, black with shields, half price. Johnson, 266-0513.

THOMASVILLE table, chairs, hutch, wall units, end tables, mirror and credenza; oak loveseat and sofa; waterbed; refrigerator. Greene, 293-6419.

LARGE, brown foam, den bag w/pillows, \$30; TV stand, \$12, pole light, \$10. Smith, 298-2165 after 7:00 p.m.

REMODELING SALE, avocado cooktop (works), \$25; avocado kitchen sink, \$10; sand bathroom sink, \$5; sand low-profile toilet, \$10. Berg, 296-2695.

NIKON FM2 body, \$165. Passman, 821-4999.

TWIN BED with cover, \$45; dinette w/6 chairs, contemporary design, \$90; chest of drawers, \$20. Royle, 296-1576, weekdays only.

FURNITURE, solid oak table set, \$200; stereo, \$150; waterbed, queen-size, \$120; 3-piece French Provincial couches, \$95. Marquez, 344-1462.

WOODSTOVE, "SOTZ", 55-gal., single drum, 24" dia., 36" long, airtight, used one winter, mostly weekends, \$99.95. Mooney, 281-2612.

WEDDING DRESS, Size 12, white lace with short train, \$125 OBO. Rosborough, 298-3645.

BABY CARSEAT, \$20; Radio Shack TRS80/Mod 1, 2 disks, full memory, printer, RS232, modem, table, software (SCRIPSIT, FORTRAN, etc.), books, \$700. Barnette, 292-5186.

MINK CAPE, light brown, medium size, waist length, \$2400. Rico, 823-2417.

225-AMP Lincoln arc welder w/helmet, gloves, electrode holder, ground clamp, cables, spare electrodes, \$150. Hughes, 299-6674.

PHOTO EQUIPMENT, cameras, zoom lenses, enlarger, dark room equipment and more, all at negotiable prices. Schneider, 299-6243.

DRAPERIES/SHEERS, formal, gold color, rods, negotiable, 97" w x 91 1/2" h, and 148" w x 91 1/2" h. Baney, 294-8970.

AKC old English Sheepdog puppies, Dalton, 873-0176.

CHILD'S white French Provincial twin bed frame and headboard, chest, desk and dresser w/mirror, \$150. Johnson, 884-8670.

SERVICE MANUAL for Mazda GLC, '81-'85, \$20; new pair radial snow chains for 13" wheels, \$30. Brammer, 266-5158.

SEARS aluminum storm/screen door, self-storing tempered glass panel, fiberglass screen, frame hinged either side, fits 32" x 80" opening. \$40. Allen, 296-6453.

DENIM SNUGLI, \$25; Century Upright/Reclining baby swing, \$25; Kodamatic Instant Camera, \$10. Renschler, 293-5782.

#### TRANSPORTATION

BIKE, Ladies Schwinn Varsity, 26", lock and cable, carrying case + more, \$85. Hitchcock, 294-4591.

'81 FORD, F150 4x4, SWB, 302 V8, AT, 39K miles, sliding rear window, AM/FM cassette, dual tanks, \$6000. Rogers, 293-8201.

'75 CHEV. Nova, AC, PS, PB, AT, V8, 59K miles, best offer. Russo, 293-0315.

'65 MERCEDES 220, 4-dr, 6-cyl, original owner, \$2800, negotiable. Horton, 883-7504.

'75 SUZUKI trail bike, 250 cc, no lights, for slow rough terrain, \$450. Roeschke, 298-0365.

'83 DODGE Conversion Van, 20K miles, loaded, \$12,500 OBO. Cook, 256-3298.

'73 SUBARU SW, good running condition, body fair, \$600. Peden, 296-5844.

'79 CHEV. Monte Carlo Landau, AC, AT, PS, PB, cruise, AM/FM/tape, one owner, 51K miles, \$3200 OBO. Dressendorfer, 292-5965.

'81 ISUZU I-Mark, 4-dr sedan, 27K miles, 35+ mpg, diesel 5-sp, \$3500. McCornack, 296-3936.

'80 GRANADA GHIA, AC, PS, PB, AM/FM cassette, cruise, tilt, and much more. Jimenez, 892-5726.

'71 FORD SW, red, PS, PB, AC, 400 V8, \$800 OBO. Rosinski, 294-1908.

'80 BUICK Regal V6, new steel-belted radials, deluxe AM/FM cassette, below book. McCampbell, 294-8238.

'81 KAWASAKI, 750 LTD, low mileage, red w/Plexiglas fairing, \$1300. Montoya, 881-6898.

'65 CORVAIR Coupe, blue, near new brakes, shocks, tires, no engine leaks, needs paint, reasonable price. Kerschion, 281-1671.

'81 CORVETTE, fully loaded, 350, full power, stereo cassette, alarm, alloys, white ext., rust int., 32K miles, \$13,900. Orlando, 296-5335 evenings.

'80 CHEV. Monte Carlo V6, AT, new brakes, one owner, no air, 46K miles, \$3400. Duvall, 881-4406.

MOTORCYCLE, Trail, 100 cc, Bridgestone, low miles, \$275; bicycle, Sears 27"/23" wheel/frame, \$60. Nagel, 298-2779.

'72 CHEV. Kingswood stn. wgn. white, AC, PS, PB, power back window, \$850. Blackledge, 294-6030.

'71 VW pop-top camper, 9500 miles on rebuilt engine, AM/FM, VW tent, custom luggage carrier, Semperit radials. Mills, 299-2130.

18' RALLYE JAMBOREE MINI MOTORHOME, 1978, low mileage, new tires, A/C, awning, fully contained, sleeps 4, extras. Clendenin, 299-9071.

HUFFY Men's 10-sp bicycle, \$50; Go Kart w/5 hp B & S engine, \$75. Breden, 292-0775.

'82 CORVETTE, all options, red/red, 17,000 miles, one owner, glass T-tops, Ashment, 293-2295.

'83 DATSUN 280ZX 2+2, 19,000 miles, blue/silver, voice package, leather interior, mechanical inspection welcomed, \$11,000. Muller, 294-2702.

KAWASAKI 440 w/fairing, hard bags, helmet, \$1000. Turner, 268-7545.

'67 CHEV. II Nova, 4-dr, 250 V6 engine, 70K miles. Brunacini, 345-4811.

'84 C10 1/2-ton 4x4 pickup, Scottsdale AM/FM cassette, dual tanks, sliding rear window, \$9175. Johnston, 869-9121.

TWO '65 MUSTANGS, both in running condition; one 6-cyl., one 8-cyl., w/factory AC, \$2900 each. Baxter, 344-7601.

'73 CHRYSLER Newport, 4-dr, AC, AT, PS, PB, cruise, CB, original owner, \$1000 OBO. Olson, 299-0483.

VW Dasher stn. wgn, AT, AC, 38K miles, \$1700. Royle, 296-1576, weekdays only.

'75 MONZA Hatchback, V8, 110K miles, PS, PB, AT, radio, air, studded snows, one owner, \$930. Ostensen, 296-4227.

'78 SUBARU 4WD stn. wgn., AC, 4-sp, \$1650. Ewing, 268-6920.

'85 HONDA B16, red, 250 cc three-wheeler, many extras, \$1800 or assume payments. Johnson, 266-0513.

'72 PINTO 122 CID, runs but needs work, good project car or for parts, \$200 OBO. Skogmo, 296-8869.

TRAILER, 5'x8' bed, 3' sides, 3500-lb load capacity, 2" ball coupler, lights, spare tire/wheel, tailgate, \$500. Hughes, 299-6674.

'73 DODGE 3/4 ton pickup, club cab,

AC, AT, PB, PS, AM/FM/CB, rebuilt engine, good tires. Nunez, 884-3623.

'69 PLYMOUTH stn. wgn., \$800. Shaut, 299-8569.

'81 FORD 3/4-ton 4x4, winch, low mileage, loaded, \$10,495. Wright, 296-3850.

'67 BUICK LeSabre 4-dr, AC, AT, PS, PB, tilt, original owner. Lang, 884-5288.

'65 CHEVELLE Malibu SS coupe, one owner, 327, 4-sp, positraction, air, AM/FM, tilt. Schkade, 292-5126.

'77 CHEV. Caprice Classic, AC, AT, PB, deluxe interior, new tires, shocks, battery, paint, \$2300 OBO. Chavez, 298-0674.

'76 MGB, new top, new tires, 55K miles, \$2600. Weatherbee, 869-2849.

'61 AUSTIN-HEALY Sprite, Bugeye, MK I, 1100 cc engine, Class 3, book value \$4250, asking \$4000. MacCosbe, 299-0557.

'82 DODGE 400, no down, take over payments. Mitchell, 298-6577 after 6:00 p.m.

'77 TOYOTA CELICA GT, 5-sp, cruise control, AC, \$2300 OBO. Gomez, 821-0685.

'82 MAZDA 626, 4-dr, AC, 5-sp, AM/FM. Turpin, 281-5933.

'83 TRAVEL TRAILER, Komfort, 40', tip-out, dual A/C, W/D hook-up, storm windows, Levelor blinds, roll-out awning. Daut, 255-2529.

#### REAL ESTATE

4-BDR, 1 1/4 bath, den w/FP, covered patio, 1881 sq. ft., brick & stucco, 2-car garage, \$86,500. Preece, 293-2557.

2.5 ACRES in Skytop Acres, East of Bella Vista, \$25K. Will take contract. James, 296-2582.

3-BDR HOME, Ridgecrest area, close to bases/hospitals, 2 baths, double garage, open floorplan, updated throughout, Southwest, \$89.5K. Mauldin, 265-5650.

41 WOODED ACRES in Manzano mtns, borders on road, 3 miles West of Torreon, one hour from Albuquerque. Stearns, 298-0444.

4-BDR, 2000 sq. ft., 1-3/4 bath, LR/DR, large kitchen, landscaped, automatic sprinklers, gazebo w/spa, Eldorado school, avail. 4/86. Ratzel, 821-6368.

2150 SQ. FT., 4-bdr, pool, spa, solar, large lot, good financing, NE heights; 3-bdr Holiday Park, available immediately. Rexroth, 293-6025.

EDGEWOOD, 3500+ sq. ft., brick, 10 acres, 4-bdr, 2-1/2 baths, 3-car garage, solar, 2 FP, other amenities, \$265K, terms, trades considered. Sanchez, 832-6206.

LOS LUNAS, 1/2 acre, Luna Hills, view. Cook, 268-6406.

'83 DOUBLE-WIDE MH in Four Hills (adult), all upgrades incl. energy package, all appliances, incl. W/D, assumable loan, \$35K. Finley, 294-3910.

ANGEL FIRE, 3/4-acre, level, covered with aspen and spruce, all utilities and roads are in. Burd, 836-0693.

#### WANTED

FAMILY of 4 seeks housing in Edgewood area; will rent or lease/purchase. Roeschke, 298-0365.

HOUSEMATE, Menaul-Tramway area, own bdr/bath, full house privileges, non-smoker, \$250/mo. + 1/2 utilities. Warren, 294-5250.

RECORD ALBUMS and cassettes. Teta, 821-5172.

MECHANIC'S SPECIAL, Pinto or Bobcat, must be priced to sell, will horsetrade. Breden, 292-0775.

BALLOON RIDE for two in-laws, week of Oct. 21-26. Shephard, 298-4879.

TABLE SAW, Craftsman, 10-inch, with or without motor. Allen, 296-6453.

LIGHTING SYSTEM keyboard switching device, fogger, strobe light, stereo, amps; separate or complete. Sanchez, 832-6206.

**Coronado Club Activities**

# Poor Boys Play Tonight

TONIGHT the Isleta Poor Boys are on the bandstand playing their popular brand of country and western music for dancing. The dining room offers a couple of two-for-one specials — your choice of prime rib or scallops, two dinners for \$12.95.

CORONADO SKI CLUB meets Tuesday, Oct. 15, starting at 6:30 p.m. in the ballroom. A movie and an update on Sandia and Santa Fe ski areas will be presented. As usual, door prizes will be awarded.

The Club's annual ski equipment clinic is set for Oct. 24.

NEXT FRIDAY, Oct. 18, a variety group called South Side will hold the bandstand while the dining room features two-for-one filet mignon or poached halibut for \$12.95.

SINGLES have two events planned in their honor — a standard Single Mingle on Thursday, Oct. 24, starting at 5 p.m. and another on Halloween, Oct. 31, where those who arrive in costume win a free drink ticket. Dunn's Dancing Machine makes the music for both events.

THE CLUB'S ANNUAL Kid's Halloween Party will have a new look this year. Called the Halloween Carnival, it's set for 5:30 p.m. on Sunday, Oct. 27. The infamous "House of Horrors" will be open; games and goodies will prevail. This is a great show for real kids and grown-up kids. Mark your calendar now. More info next issue.

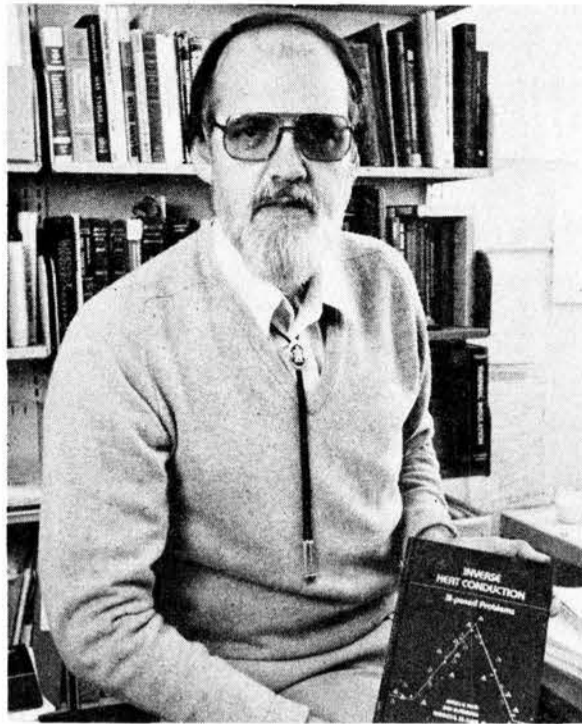
THE THUNDERBIRDS retiree group holds a dinner dance on Saturday, Oct. 26. The Lamplighters are booked for the occasion.

A FINANCIAL PLANNING SEMINAR will be presented on Wednesday, Nov. 13, at 4:45 in Rm. B5. The seminar speaker, Mike Anderson of Beneficial Life Insurance Co., will describe a generic life insurance concept — an alternative to the standard Spouse Annuity Option offered at retirement. Admission is free.

A RETIREMENT PLANNING SEMINAR is set for Friday, Oct. 16, at 5 p.m. in Rm. B5. Dean Witter financial analysts Steve Stubbs and Norm Chavez are the speakers. Admission is free.

TRAVEL — The Dallas Adventure Tour/Cowboys Football trip is set for the Thanksgiving holiday. It's \$248/person with a \$50 deposit due now. The price includes Cowboy-Cardinal tix, Thanksgiving dinner, Six Flags admission, city tour, etc.

Windsurf in San Diego Nov. 15-17. Airfare, two nights at Dana Inn and Marina, two days of surfboard rental plus an hour of instruction, and more for \$249. More info from Stan Ford, 4-8486.



NEW BOOK, *Inverse Heat Conduction: Ill-posed Problems*, is the result of five years of "off and on" collaboration among Ben Blackwell, supervisor of Centrifuge, Climatic & Radiant Heat Division 7531, and two professors of mechanical engineering at Michigan State, Jim Beck and Charles St. Clair, Jr. "The sub-title refers to heat conduction problems that don't have a unique solution," says Ben. "The book, the only one in English (the other is in Russian), is aimed at graduate level students in heat transfer courses and at industrial organizations, like Sandia, that work in the field." Ben has been involved with inverse heat transfer problems since 1968, "seriously since 1979," and he's one of the developers of a computer code utilizing the techniques the book describes. Used by Depts. 7530 and 1510, the code determines heat flux from measurements of interior temperatures.

**Secretarial Seminar**

# Secretaries — Part of the Team

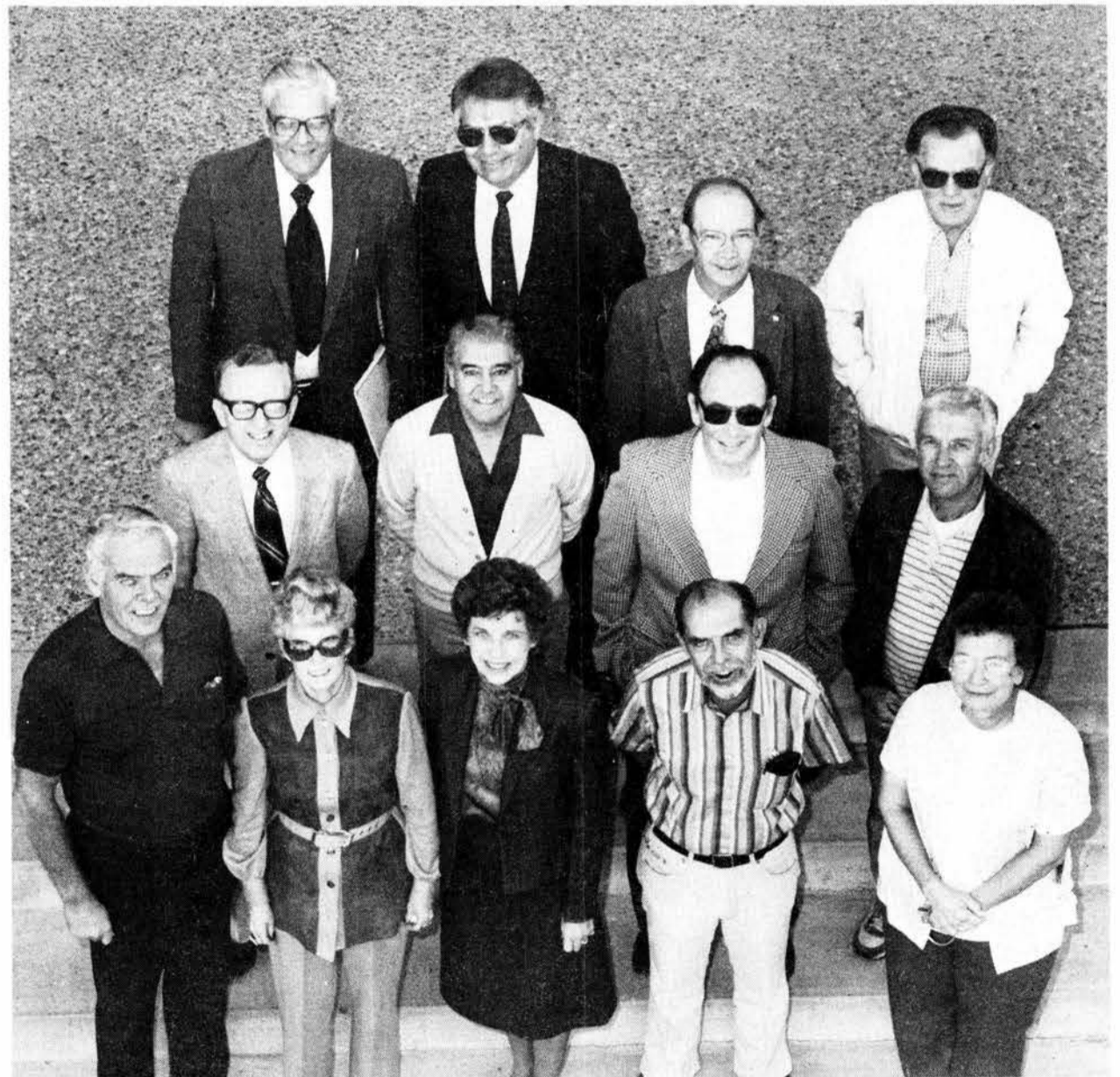
The 1985 Secretarial Seminar will be held Oct. 21-25 at the Kirtland-East Officers Club. Supervisors Carol Kaemper (21-1) and Shirley Dean (22-2) have scheduled all Sandia secretaries for one-day attendance during seminar week.

"Teamwork" is the theme of this year's seminar, which will emphasize the contributions of secretaries to the Labs.

The program will include addresses by President Dacey and other members of Small Staff; a panel discussion by various management representatives; and presentations by Lynne Judge, Dr. Larry Suzuki, and Dr. Judy Ewing of Medical.

Carolina Girimonte, owner of a local consulting firm, will conduct a workshop entitled "Professional Communication in the Workplace."

The seminar is sponsored by Director of Personnel Herb Pitts (3500) and training organization 3520, with program development by the 1985 Secretarial Committee: Liz Leyba (5230), Lana Lachenmeyer (2520), Barbara Roberts (130), Lorraine Luna (1620), Gwen Germany (3540), Renae Dietz (6250), and Mary Kolesar (7550).



RETIRING Sept. 30 were (front row, from left) Bob Bailey (5122), Gene Gray (3743), Ruth Jones (7250), Bo Bohannon (7533), and Lessie Lee (1241). In the second row are Tom Hoover (5215), Ben Lucero (2544), Simon Steeley (5215), and Don Lloyd (5171). In the top row are Don Graham (3162), Aquilles "Gil" Trujillo (2122), Floyd Elder (7818), and Milt Madsen (5214).